

RIVERS AND FLOODS

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[River and Flood Division, Montrose W. Hayes in charge]

There were numerous overflows during December. However, except in the Tallahatchie and Yazoo Rivers of Mississippi, no flood caused any great damage. In some instances no loss of any kind occurred.

The following is a statement of flood losses:

Tangible property totally or partially destroyed, such as buildings, fences, factories, highways, bridges, railroads, etc.:

Tombigbee River (Alabama).....	\$2, 500
Grand River (Missouri).....	5, 000
Green River (Kentucky).....	200
Barren River (Kentucky).....	1, 000
Sulphur River (Texas and Louisiana).....	1, 100

Total..... 9, 800

Matured crops:

Tombigbee River.....	200
Sulphur River.....	5, 000

Total..... 5, 200

Livestock and other movable property:

Tombigbee River.....	900
Sulphur River.....	175

Total..... 1, 075

Suspension of business including wages of employees:

Tombigbee River.....	5, 500
Sulphur River.....	1, 200

Total..... 6, 700

A report of the losses caused by the floods in the Black, Ouachita, St. Francis, Tallahatchie, Yazoo, and Atchafalaya Rivers will be given in a later issue of the MONTHLY WEATHER REVIEW.

The final report on the flood in the Des Moines River during November gives the loss as \$10,000, all of which was to unhoused crops.

The estimated money value of property saved by warnings was as follows:

Tombigbee River.....	\$23, 000
Green River.....	500
Barren River.....	10, 000
West Fork of White River (Indiana).....	1, 500
Ohio River.....	11, 000
Sulphur River.....	14, 000
Sabine River (Texas and Louisiana).....	10, 000

Total..... 70, 000

The accompanying table gives the rivers which reached or exceeded the flood stage during December. In cases where the flood continued into January the crest given is the highest stage reached during December and may or may not be the actual crest for the entire flood.

Table of flood stages in December, 1931

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE					
Chenango: Sherburne, N. Y.	Feet 8	15	15	Feet 8.2	15
Saluda:	7	3	5	8.2	4
Pelzer, S. C.		8	10	7.2	10
		14	15	8.2	15
Chappells, S. C.	14	21	22	7.6	22
Broad: Blairs, S. C.	15	5	7	16.8	6
	15	4	5	17.5	5
		14	15	16.3	15

Table of flood stages in December, 1931—Continued

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE—CON.					
Santee:	12	8	10	13.0	10
Rimini, S. C.....		16	22	13.7	19
		25	26	12.9	26
Ferguson, S. C.....	12	11	14	12.1	13
Broad: Carlton, Ga.....	15	18	28	12.7	22
Savannah: Ellenton, S. C.....	14	5	5	15.8	5
		7	29	18.6	26
EAST GULF OF MEXICO DRAINAGE					
Oostanaula: Resaca, Ga.....	22	15	17	23.3	16
Tombigbee:	34	15	20	39.6	16
Aberdeen, Miss.....		19	21	26.7	20
Columbus, Miss.....		20	(1)	47.7	26
Lock 4, Demopolis, Ala.....		20	(1)	23.6	27
Pearl: Jackson, Miss.....		21	(1)	14.2	26
West Pearl: Pearl River, La.....	13	21			
MISSISSIPPI SYSTEM					
Upper Mississippi Basin					
Illinois:	14	Nov. 29	4	14.1	1-2
Havana, Ill.....		Nov. 22	7	17.5	Nov. 24
Peru, Ill.....	14	13	20	14.7	15
Missouri Basin					
Grand:	20	12	12	21.5	12
Gallatin, Mo.....		12	13	21.2	12
Chillicothe, Mo.....		Nov. 18	1	18.9	Nov. 27
Brunswick, Mo.....		Nov. 29	1	26.1	Nov. 30
Missouri: St. Charles, Mo.....	25				
Ohio Basin					
Walhonding: Walhonding, Ohio.....	8	14	14	10.2	14
Scioto:	10	13	15	13.3	15
Circleville, Ohio.....		16	16	16.0	16
Chillicothe, Ohio.....		20	14	21.9	15
Barren: Bowling Green, Ky.....	20				
Green:	28	15	15	30.3	15
Lock 6, Brownsville, Ky.....		14	18	38.5	16
Lock 4, Woodbury, Ky.....		33	20	34.8	19
Lock 2, Rumsey, Ky.....		34			
West Fork of White:	19	13	16	22.0	14
Elliston, Ind.....		15	13	19	17
Edwardsport, Ind.....		10	14	15	11.5
East Fork of White: Seymour, Ind.....	10	14	15	11.5	14
Elk: Fayetteville, Tenn.....	14	24	24	14.3	24
Ohio:	33	19	22	33.6	21
Shawneetown, Ill.....		19	24	33.9	21
Dam 50, Fords Ferry, Ky.....	32				
White Basin					
Black: Black Rock, Ark.....	14	31	(1)	14.3	31
Red Basin					
Sulphur:	20	17	19	24.2	18
Ringo Crossing, Tex.....		24	22	26	25.5
Finley, Tex.....	24				
Lower Mississippi Basin					
St. Francis:	22	31	(1)	23.5	31
Chaonia, Mo.....		31	(1)	20.0	31
Fisk, Mo.....		24	15	33.9	31
Tallahatchie: Swan Lake, Miss.....	24				
Yazoo:	35	23	(1)	36.0	26
Greenwood, Miss.....		23	31	23.2	31
Yazoo City, Miss.....	23				
Ouachita:	12	14	14	17.3	14
Arkadelphia, Ark.....		18	19	14.1	18
Camden, Ark.....		30	26	34.9	22
Monroe, La.....		40	25	41.3	31
Atchafalaya Basin					
Atchafalaya: Atchafalaya, La.....	22	27	(1)	22.4	30-31
WEST GULF OF MEXICO DRAINAGE					
Sabine: Logansport, La.....	25	18	27	27.8	22
PACIFIC SLOPE DRAINAGE					
San Joaquin Basin					
Kings: Piedra, Calif.....	12	28	28	14.7	28
Columbia Basin					
Coast Fork: Saginaw, Oreg.....	9	31	31	10.0	31
Long Tom: Monroe, Oreg.....	10	21	(1)	13.0	28
Willamette: Harrisburg, Oreg.....	10	31	31	10.0	31

¹ Continued into January, 1932.

All dates in December unless otherwise indicated.